

C. Kaufrian

1646

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/955,572A

DATE: 11/05/1998  
TIME: 16:17:59

Input Set: H955572A.RAW

This Raw Listing contains the General Information  
Section and up to first 5 pages.

*New format*

1 <110> APPLICANT: Kwon, Byoung  
2 <120> TITLE OF INVENTION: NEW RECEPTOR AND RELATED PRODUCTS AND  
3 METHODS  
4 <130> FILE REFERENCE: 740.013US2  
5 <140> CURRENT APPLICATION NUMBER: US/08/955,572A  
6 <141> CURRENT FILING DATE: 1998-10-22  
7 <150> EARLIER APPLICATION NUMBER: 08/461,652  
8 <151> EARLIER FILING DATE: 1995-06-05  
9 <150> EARLIER APPLICATION NUMBER: 08/122,796  
10 <151> EARLIER FILING DATE: 1993-09-03  
11 <160> NUMBER OF SEQ ID NOS: 10  
12 <170> SOFTWARE: FastSEQ for Windows Version 3.0  
13 <210> SEQ ID NO 1  
14 <211> LENGTH: 838  
15 <212> TYPE: DNA  
16 <213> ORGANISM: Homo sapiens  
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19 catagtagcc actctgtgc tggcctcaa ctttgagagg acaagatcat tgcaggatcc 120  
20 ttgttagtaac tgcccagctg gtacattctg tgataataac aggaatcaga tttgcagtcc 180  
21 ctgtcctcca aatagttct ccagcgcagg tggacaaagg acctgtgaca tatgcaggca 240  
22 gtgtaaaggt gtttcagga ccaggaagga gtgttcctcc accagcaatg cagagtgtga 300  
23 ctgcactcca gggtttcaact gcctggggc aggatgcagc atgtgtgaa aggattgtaa 360  
24 acaaggtaa gaactgacaa aaaaaggttg taaagactgt tgctttggaa catttaacga 420  
25 tcagaaaacgt ggcacatctgtc gaccctggac aaactgttct ttggatggaa agtctgtgct 480  
26 tgtgaatggg acgaaggaga gggacgtggt ctgtggacca tctccagctg acctctctcc 540  
27 gggagcatcc tctgtgaccc cgcctgcccc tgcgagagag ccaggacact ctccgcagat 600  
28 catctccttc tttcttgcgc tgacgtcgac tgcggtgctc ttccctgctgt tcttcctcacc 660  
29 gctccgttcc tctgttgtta aacggggcag aaagaaaactc ctgtatatat tcaaacaacc 720  
30 atttatgaga ccagtacaaa ctactcaaga ggaagatggc tgttagctgcc gatttccaga 780  
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33 <211> LENGTH: 255  
34 <212> TYPE: PRT  
35 <213> ORGANISM: Homo sapiens  
36 <400> SEQUENCE: 2  
37 Met Gly Asn Ser Cys Tyr Asn Ile Val Ala Thr Leu Leu Leu Val Leu  
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39 Asn Phe Glu Arg Thr Arg Ser Leu Gln Asp Pro Cys Ser Asn Cys Pro  
40 20 25 30  
41 Ala Gly Thr Phe Cys Asp Asn Asn Arg Asn Gln Ile Cys Ser Pro Cys  
42 35 40 45  
43 Pro Pro Asn Ser Phe Ser Ser Ala Gly Gly Gln Arg Thr Cys Asp Ile  
44 50 55 60

*See p.3*

*Does Not Comply  
Corrected Diskette Needed*

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Input Set: H955572A.RAW

45 Cys Arg Gln Cys Lys Gly Val Phe Arg Thr Arg Lys Glu Cys Ser Ser  
 46 65 70 75 80  
 47 Thr Ser Asn Ala Glu Cys Asp Cys Thr Pro Gly Phe His Cys Leu Gly  
 48 85 90 95  
 49 Ala Gly Cys Ser Met Cys Glu Gln Asp Cys Lys Gln Gly Gln Glu Leu  
 50 100 105 110  
 51 Thr Lys Lys Gly Cys Lys Asp Cys Cys Phe Gly Thr Phe Asn Asp Gln  
 52 115 120 125  
 53 Lys Arg Gly Ile Cys Arg Pro Trp Thr Asn Cys Ser Leu Asp Gly Lys  
 54 130 135 140  
 55 Ser Val Leu Val Asn Gly Thr Lys Glu Arg Asp Val Val Cys Gly Pro  
 56 145 150 155 160  
 57 Ser Pro Ala Asp Leu Ser Pro Gly Ala Ser Ser Val Thr Pro Pro Ala  
 58 165 170 175  
 59 Pro Ala Arg Glu Pro Gly His Ser Pro Gln Ile Ile Ser Phe Phe Leu  
 60 180 185 190  
 61 Ala Leu Thr Ser Thr Ala Leu Leu Phe Leu Leu Phe Phe Leu Thr Leu  
 62 195 200 205  
 63 Arg Phe Ser Val Val Lys Arg Gly Arg Lys Lys Leu Leu Tyr Ile Phe  
 64 210 215 220  
 65 Lys Gln Pro Phe Met Arg Pro Val Gln Thr Thr Gln Glu Glu Asp Gly  
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 85 <400> SEQUENCE: 5  
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 88 <211> LENGTH: 20  
 89 <212> TYPE: DNA  
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 93 <210> SEQ ID NO 7  
 94 <211> LENGTH: 25

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/955,572ADATE: 11/05/1998  
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Input Set: H955572A.RAW

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 100 <211> LENGTH: 30  
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 106 <211> LENGTH: 2350  
 107 <212> TYPE: DNA  
 108 <213> ORGANISM: Mus musculus  
 109 <400> SEQUENCE: 9  
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 111 ctacaccagg aaaaggacac attcgacaac agggaaaggag cctgtcacag aaaaccacag 120  
 112 tgcctgtgc atgtgacatt tcgcctatggg aaacaactgt tacaacgtgg tggtcattgt 180  
 113 gctgctgta gtgggctgtg agaagggtgg agccgtgcag aactcctgtg ataactgtca 240  
 114 gcctggtaact ttctgcagaa aatacaatcc agtctgcaag agtgccttc caagtacctt 300  
 115 ctccagcata ggtggacagc cgaactgtaa catctgcaga gtgtgtgcag gctatccatg 360  
 116 gttcaagaag ttttgcctt ctacccacaa cgccggagtgt gagtgcattt aaggattcca 420  
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 121 tggactcca gaggaggac caggaggca ctccctgcag gtccttacct tggcctggc 720  
 122 gtcgacatcg gctttgctgc tggccctgtat cttcattact ctcctgttct ctgtgctcaa 780  
 123 atggatcagg aaaaaattcc cccacatatt caagcaacca tttaaaaga ccactggac 840  
 124 agctcaagag gaagatgctt gtagctgccg atgtccacag gaagaagaag gaggaggagg 900  
 125 aggctatgag ctgtatgtt caatccatgg agatgtgtgg gcccggaaacgg agaagcacta 960  
 126 ggaccccccacc atcctgtgga acagcacaag caaccccccacc accctgttct tacacatcat 1020  
 127 cctagatgtat gtgtggcgc gcacccatc caagtcttctt ctaacgctaa catatttgc 1080  
 128 tttacccccc tttaaatcttt tttaaatattt aaattttatg tggatgttgc ttttgcctgc 1140  
 129 *all item 10 m* ctgtatgcac acgtgtgtgt gtgtgtgtgt gtagacactcc tggatgttgc gggatgttgc 1200  
 130 *Erne* *summy* *het* agacaaagggttggatccat aagaactggat gttatggat gctgtgagcc gggatgttgc 1260  
 131 gtcgggacgg agacccatgtt acgtgactgtt ataaataaaaaaa aaaaatgata 1320  
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 134 ctgtcaaatgat caacccatgtt tggatgttgc ccaggatgtt tttatggat attttgc 1500  
 135 acacacacac acacacacac acacacacgtt ttataactgtt tactgttgc ggtatttgc 1560  
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 143 tggcgccaaat tttttttttt gttatgttgc cttatgttgc tttatgttgc tttatgttgc 2040  
 144 ccgtaaatgtt aacgcggccgc tttccacttt aaaaaggatgtt gttatgttgc cttatgttgc 2100

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RAW SEQUENCE LISTING  
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Input Set: H955572A.RAW

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 146 tagtctatgg cagcatcaag gctggattt gctacggctg accgctacgc cggcgcaata 2220  
 147 agggtaactgg gcccccgta gaaggccctt tggttcaga aacccaaggc cccccctata 2280  
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 151 <211> LENGTH: 256  
 152 <212> TYPE: PRT  
 153 <213> ORGANISM: Mus musculus  
 154 <400> SEQUENCE: 10  
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 156 1 5 10 15  
 157 Gly Cys Glu Lys Val Gly Ala Val Gln Asn Ser Cys Asp Asn Cys Gln 2220  
 158 20 25 30  
 159 Pro Gly Thr Phe Cys Arg Lys Tyr Asn Pro Val Cys Lys Ser Cys Pro 2280  
 160 35 40 45  
 161 Pro Ser Thr Phe Ser Ser Ile Gly Gly Gln Pro Asn Cys Asn Ile Cys 2340  
 162 50 55 60  
 163 Arg Val Cys Ala Gly Tyr Phe Arg Phe Lys Lys Phe Cys Ser Ser Thr 2350  
 164 65 70 75 80  
 165 His Asn Ala Glu Cys Glu Cys Ile Glu Gly Phe His Cys Leu Gly Pro 2400  
 166 85 90 95  
 167 Gln Cys Thr Arg Cys Glu Lys Asp Cys Arg Pro Gly Gln Glu Leu Thr 2450  
 168 100 105 110  
 169 Lys Gln Gly Cys Lys Thr Cys Ser Leu Gly Thr Phe Asn Asp Gln Asn 2500  
 170 115 120 125  
 171 Gly Thr Gly Val Cys Arg Pro Trp Thr Asn Cys Ser Leu Asp Gly Arg 2550  
 172 130 135 140  
 173 Ser Val Leu Lys Thr Gly Thr Thr Glu Lys Asp Val Val Cys Gly Pro 2600  
 174 145 150 155 160  
 175 Pro Val Val Ser Phe Ser Pro Ser Thr Thr Ile Ser Val Thr Pro Glu 2650  
 176 165 170 175  
 177 Gly Gly Pro Gly Gly His Ser Leu Gln Val Leu Thr Leu Phe Leu Ala 2700  
 178 180 185 190  
 179 Leu Thr Ser Ala Leu Leu Ala Leu Ile Phe Ile Thr Leu Leu Phe 2750  
 180 195 200 205  
 181 Ser Val Leu Lys Trp Ile Arg Lys Lys Phe Pro His Ile Phe Lys Gln 2800  
 182 210 215 220  
 183 Pro Phe Lys Lys Thr Thr Gly Ala Ala Gln Glu Glu Asp Ala Cys Ser 2850  
 184 225 230 235 240  
 185 Cys Arg Cys Pro Gln Glu Glu Gly Gly Gly Gly Tyr Glu Leu 2900  
 186 245 250 255

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**VERIFICATION SUMMARY**  
**PATENT APPLICATION US/08/955,572A**

DATE: 11/05/1998

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Input Set: H955572A.RAW

Line ? Error/Warning

Original Text

130 W "N" or "Xaa" used: Feature required

agacaaaggg ttggttccat aagaactgga gttatgga

# Raw Sequence Listing Error Summary

BEST AVAILABLE COPY

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u>
<b>ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE</b>		
1 <input type="checkbox"/> Wrapped Nucleic	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping".	
2 <input type="checkbox"/> Wrapped Amines	The amino acid number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3, as this will prevent "wrapping".	
3 <input type="checkbox"/> Incorrect Line Length	The rules require that a line not exceed 72 characters in length. This includes spaces. All text must be visible on page.	
4 <input type="checkbox"/> Misaligned Amino Acid Numbering	The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and uses spacing between the numbers.	
5 <input type="checkbox"/> Non-ASCII	This file was not saved in ASCII (DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text so that it can be processed.	
6 <input type="checkbox"/> Variable Length	Sequence(s) <input type="checkbox"/> contain n's or Xaa's which represented more than one residue. As per the rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the (ix) features section that some may be missing.	
7 <input type="checkbox"/> Wrong Designation	Sequence(s) <input type="checkbox"/> contain amino acid or nucleic acid designators which are not standard representations as per the Sequence Rules (Please refer to paragraph 1.822)	
8 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional, please use the following format for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (I) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS") (xI) SEQUENCE DESCRIPTION:SEQ ID NO:X: This sequence is intentionally skipped  Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).	
9 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional, please use the following format for each skipped sequence. <210> sequence id number <400> sequence id number 000	
10 <input type="checkbox"/> Use of N's or Xaa's (NEW RULES)	Use of N's and/or Xaa's have been detected in the Sequence Listing. Use of <220> to <223> is MANDATORY if n's or Xaa's are present.	
11 <input type="checkbox"/> Use of <213>Organism (NEW RULES)	Sequence(s) <input type="checkbox"/> are missing this mandatory field or its response.	
12 <input type="checkbox"/> Use of <220>Feature (NEW RULES)	Sequence(s) <input type="checkbox"/> are missing the <220>Feature and associated headings. Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown" (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Sequence Rules)	
13 <input type="checkbox"/> Wrong Format	File submitted was in the alphabetical heading format of the Old Sequence Rules. This is invalid since the "Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Disclosures" Federal Register Notice, Vol. 63, No. 104, June 1, 1998, p. 29620 applies to applications filed on or after July 1, 1998.	